

COMMONWEALTH OF KENTUCKY
BEFORE THE UTILITY REGULATORY COMMISSION

* * * * *

In the Matter of:

NOTICE OF CONTINENTAL TELEPHONE)	
COMPANY OF KENTUCKY OF AN ADJUST-)	CASE NO. 7790
MENT IN ITS INTRASTATE RATES AND)	
CHARGES)	

O R D E R

Continental Telephone Company of Kentucky (hereinafter referred to as the Company) filed its Notice with the Commission on March 28, 1980, wherein it proposed to increase its intra-state telephone rates and charges by \$4,509,146 annually to become effective on and after April 28, 1980. In order to determine the reasonableness of the proposed increase, the Commission by Order dated March 28, 1980, suspended the proposed rates for a period of five months on and after the effective date of the proposed rates.

The following parties of interest were granted intervention: the Attorney General's Division of Consumer Intervention; and Bruce Singleton of the firm of Mitchell & Gillian Attorneys, representing consumers of the Company on service complaints. Hearings were conducted by the Commission on May 6, 1980; July 2, 1980; and July 31, 1980.

All briefs were filed with the Commission by August 25, 1980. The entire record, including the Company's responses to numerous requests for additional information was then submitted to the Commission for final determination.

TEST PERIOD

The calendar year ending December 31, 1979, has been used as the test period in this matter for purposes of determining the reasonableness of the rates and charges proposed herein. In accordance with Commission policy, pro forma adjustments have been included when found appropriate.

NET INVESTMENT RATE BASE

The Company proposed a Kentucky-Intrastate Net Investment rate base of \$50,397,880^{1/} at December 31, 1979. The Commission has accepted this rate base with the exception of Cash Requirements. Consistent with past policy this item has been deleted from rate base. The amounts claimed for combined and Intrastate operations are \$1,074,017^{1/} and \$851,106^{1/} respectively. This adjustment reduces the Applicant's proposed combined rate base to \$61,216,738 and the Intrastate rate base to \$49,546,774.

The following shows the Intrastate rate base the Commission accepts for purposes of fixing rates in this proceeding:

Telephone Plant in Service	\$65,715,497
Telephone Plant Under Construction	2,026,605
Prepayments	15,935
Materials and Supplies	648,934
Subtotal	<u>\$68,406,431</u>
Less:	
Accumulated Depreciation Reserve	\$12,440,403
Accumulated Deferred Income Taxes	6,419,794
Subtotal	<u>\$18,860,197</u>
Net Investment	<u>\$49,546,774</u>

REVENUES AND EXPENSES

The Company proposed several adjustments to revenues and expenses to more clearly reflect current operating conditions which have been adopted by this Commission except as set forth below.

Toll Service Revenues

The Company and South Central Bell (SCB) use the cost basis for determining the Company's share of toll revenues generated by the Kentucky Intrastate toll network. Thus, a company that uses the cost method for settlement purposes, receives from SCB its actual Intrastate toll operating expenses plus a return on its Kentucky Intrastate toll rate base equal to the return achieved by SCB on SCB's Intrastate rate base.

^{1/} Prestwood Exhibit I, Schedule 4.

As shown in Prestwood Exhibit I, Schedule 3B, the Company proposed an adjustment to increase toll service revenues by \$114,416. The purpose of this adjustment was twofold. First, since the Company receives its Intrastate toll expenses from SCB, any increase in these expenses will be received from SCB. Hence, toll revenue must be increased to reflect that portion of the increase in total Intrastate expenses applicable to the Company's toll operations. Second, an adjustment is made to reflect any increase or decrease in SCB's achieved return on Kentucky Intrastate operations. In Prestwood Exhibit 3B, the adjustment to toll is calculated using a return of 8.42%.

On cross, Mr. Prestwood testified that the 8.42% return was an estimate provided by SCB during the Company's preparation of the case. He testified that the Company and SCB were using 8.40% on an interim basis for settlements in 1980. He testified that SCB's annualized rates of return for the months of January, February, March, and April were 7.63%, 7.95%, 6.89%, and 8.38%, respectively. He testified that he was aware that SCB had pending before the Commission a rate increase request but was not aware of the return requested on Kentucky Intrastate Investment. On re-direct, Mr. Prestwood testified that it did not necessarily follow that SCB would achieve the return that it is requesting or that SCB would be granted the full increase requested.

The SCB request in question was filed in Case 7774. The Commission takes judicial notice of that filing and of its Order in that case wherein SCB was granted rates to produce 10.47% return on Kentucky Intrastate operations. In fixing rates in that case as in this case the Commission made adjustments for known increases in expenses in order to provide the company with a reasonable opportunity to achieve the return found fair. The Commission believes that SCB's rates have been fixed to allow SCB, under prudent, efficient management, an opportunity to achieve the 10.47% return found fair. Therefore, in computing the increase in toll revenues in this case the Commission will use the return of 10.47% which SCB

was allowed and which rates have been designed to produce in Case 7774. Using the return allowed SCB the increase in net income based on the methodology in Prestwood Exhibit I, Schedule 3B is \$241,220^{2/}.

Employee Concession Service

The Commission has made an adjustment to increase Net Operating Income by \$24,611^{3/} to include the net effect of estimated additional revenues available to the Company in the absence of employee discounts on local service. The Commission has made a similar adjustment on local service concessions in cases involving both General Telephone of Kentucky and SCB. This is the first case in which the Commission has adjusted this Company's operations for the effect of employee concessions. The Commission finds that this adjustment is both consistent with past findings in other telephone rate cases and is in the public interest.

Depreciation Expense

For the crossbar and London toll equipment, the Company proposes changing the average service life from 30 years and zero percent salvage to 6.5 years and 20 percent salvage for crossbar and from 30 years and zero percent salvage to 10.6 years and zero percent salvage for London toll equipment. This would have the net effect of changing the depreciation rate for crossbar equipment from 3.30 percent to 12.30 percent and for the London toll equipment from 3.30 percent to 9.40 percent. The record does not in the Commission's opinion substantiate the considerably shortened estimated date of final retirement for this equipment as proposed by the company. The Commission finds that an average service life of 15 years is more in line with the average service life used by other telephone companies.

The Company has assigned a life of 16 years and zero salvage to digital equipment. In arriving at this estimated life and salvage, the Company witness relies on the judgment of decision makers and the mood and prediction of what the Company in its brief terms "responsible engineers." This equipment is just now coming into

^{1/}(\$11,766,839 x 10.47%) - \$990,768.

^{2/}Response to request for information Item 19. (\$40,524 + \$5,526 + \$1,924 + \$159) x 50.62%.

use and the Commission finds that a life of at least 25 years is more appropriate for this equipment.

Based on the lives found proper for the above mentioned equipment, the Commission finds the proper depreciation rates for this equipment is: crossbar, 7.40%; London toll, 7.40%; and digital, 4%. These rates result in a reasonable level of depreciation expense of \$4,899,998, which on a total Company basis is a reduction of \$104,293 in the \$5,004,291^{4/} claimed by the Company. Applying the factor of 61.27% computed from Prestwood Exhibit I, Schedule 3B, the Commission arrives at the amount of the reduction in depreciation applicable to the local operations of \$63,900. This amount, when multiplied by the retention factor of 50.62% (reciprocal of the effective State and Federal tax rates) yields the required increase in the Company's adjusted net income of \$32,346 which the Commission finds proper based on its approved depreciation rates.

Directory Assistance - Cost Savings

The Company proposed this adjustment to reflect cost savings due to directory assistance charges. The Company reduced the increase requested by this amount. The Commission agrees with the adjustment but will include the reduction in arriving at net income before rate increase. The required increase in net income is \$28,876.^{5/}

Tax Effect of Decreased Debt Cost

The last adjustment is to reduce income for the income tax effect of a decrease in interest cost. The Company proposed interest cost of \$2,081,432.^{6/} The Commission computes end of period interest cost to be \$2,023,084. There are two reasons for this difference. First, the Company used an embedded cost rate of 7.64%.^{7/} This rate included \$5,500,000 of debt capital the Company estimated for 1980 at a cost rate of 12.88%.^{8/} On rebuttal, Company witness Brennan testified \$3,000,000 had been issued at 14.64%. The Commission has included the \$3,000,000 at 14.64% in arriving at the embedded debt cost of 7.30% based on December 31, 1979 capital structure.

^{4/} Prestwood Exhibit I, Schedule 3G.

^{5/} Prestwood Exhibit I, Schedule 5. (\$57,045 x 50.62%).

^{6/} Prestwood Exhibit I, Schedule 3R.

^{7/} Response to request for information Schedule 30, Page 2 of 2.

^{8/} Brennan Exhibit No. 1, Schedule 9, Page 2 of 3.

The other difference results from the fact that the Company computed the dollar amount of interest by multiplying its Kentucky intrastate rate base times the debt ratio and multiplying that product by the cost rate of 7.64%. The Commission allocated total capital to Kentucky intrastate operations and applied its cost rate of 7.30% to the debt capital to arrive at the interest cost of \$2,023,084. The use of capital in lieu of rate base is consistent with past URC practice. The ratio used to allocate capital is 80.94% and is the computed relationship between total Company rate base less one-eighth of operating expenses (\$61,216,738) and Kentucky Intrastate rate base less one-eighth of operating expenses (\$49,546,774). The effect of this adjustment is to decrease Net Income by \$28,812.^{9/}

Based on the entire record in this matter and the foregoing analysis, the level of pro forma adjusted operating income the Commission finds proper is set forth below:

Company Adjusted Net Operating Income	\$3,257,472
Income Effect of:	
Commission Adjustment to Toll Revenue	241,220
Elimination of Employee Concessions-Local	24,365
Reduction in Depreciation Expense	32,346
Directory Cost Savings	28,876
Decrease in Interest Cost	<u>(28,812)</u>
Pro Forma Operating Income Found	
Reasonable Before Rate Increase	<u>\$3,555,407</u>

CAPITALIZATION

Capital Structure

The Company presented testimony showing that its capital structure as of December 31, 1979, was composed of total debt including short-term debt of 56.9%, preferred stock of 2.8%, and common equity of 40.3%. The Company also included an estimated capital structure projected to December 31, 1980, composed of: long-term debt, 56.7%; short-term debt, .3%; preferred stock, 2.6%; and common equity of 40.4%. The Attorney General's witness proposed a capital structure composed of 56.85%, long-term debt; 2.82%, preferred stock; and 40.33%, common equity. The Commission concludes there is no material difference in the capital structures proposed by the Company and the Intervenor and therefore, will

^{9/} (\$2,081,432 - \$2,023,084) x 50.62%.

use the December 31, 1979 capital structure recommended by the Attorney General's witness for purposes of fixing rates in this case.

Cost Rates for Capital

The Company offered testimony to the effect that the embedded cost of debt and preferred stock as of December 31, 1979 was 7.35% and 9.36%, respectively. The Company claimed through its cost of capital witness that the fair return on equity using a December 31, Capital Structure was 17%. Using a projected capital structure, the Company witness testified that the embedded cost at December 31, 1980 would be 7.64% for long-term debt; 9.34% for preferred stock; and that a range of from 15% to 17% for common equity was fair.

The Attorney General's witness testified that the embedded cost as of December 31, 1979 was 9.36% for preferred stock; 6.53% for long-term debt; and 10% for short-term debt. Based on his analysis, he concluded that the fair rate of return for common equity ranged from 11.33% to 12.80%.

The Commission concludes based on the evidence that the cost of long-term debt and preferred stock which should be used in fixing rates is 7.30% and 9.36%, respectively. The 7.30% cost rate for debt was computed by using a cost rate of 14.64% for short-term debt in lieu of the 10% rate proposed by the Attorney General's witness and the 15.25% rate proposed by the Company witness. The Commission further concludes that the cost of equity to the Company is 12.75. The Commission further concludes that the overall cost of capital is 9.55. The following table shows the capital structure ratios and the total Company capital that the Commission finds reasonable for the Company's Kentucky Intrastate operations:

	<u>Total Company</u>	<u>Allocation Factor</u>	<u>Intrastate</u>	<u>Capital Structure</u>
Long-Term Debt	\$34,239,540	80.94%	\$27,713,483	56.85
Preferred Stock	1,698,426	80.94	1,374,706	2.82
Common Equity	24,289,897	80.94	19,660,243	40.33
Total Capital	<u>\$60,227,863^{10/}</u>		<u>\$48,748,432</u>	<u>100.00</u>

10/ Item 25-C Page 1 of 3, Total Capitalization	\$57,379,575
Item 3-I Unamortized Investment Cr. Rev. Act 71	2,848,288
	<u>\$60,227,863</u>

ADDITIONAL REVENUE REQUIREMENTS

Based on the foregoing analysis of revenues, expenses, investment, capital structure and the appropriate cost of capital, the Commission finds the fair return on rate base is 9.40%. The additional revenue required and the amount of increase granted herein is computed as follows:

Income Requirements	\$4,658,437
Pro Forma Adjusted Income	<u>3,555,467</u>
Deficiency	\$1,102,970
Retention Factor	<u>.5062</u>
Additional Gross Revenue Required	<u>\$2,178,921</u>

SERVICE DEFICIENCIES

The Commission is concerned about testimony introduced into the record (T.R. Vol. 1, July 2, 1980, Pages 60-72 and T.R. July 30, 1980, Pages 8-39), relating to service deficiencies of the Company. By response verified on August 15, 1980, Continental filed the results of its own investigation and resolution of some of these complaints. The resolution of service complaints, however, should not have to await the filing of a rate relief case by the Company. The Commission therefore expresses its displeasure with Continental's efforts in the areas of both repair service and routine preventative maintenance, which should be aimed at preventing such problems from occurring, and further shall expect the Company to be more diligent in its efforts in these areas in the future.

FINDINGS AND ORDER

The Commission after consideration of all the foregoing and all other evidence of record and being advised FINDS:

1. That the rates proposed by the Applicant are unjust, unfair, and unreasonable in that they produce revenues in excess of the revenues necessary to produce a reasonable return on the Applicant's investment.
2. That the Rate Schedules attached as Appendix "A" hereto are fair, just, and reasonable and further

that such rates are equitable and nondiscriminatory as between customers and classes of customers and should be approved.

3. That the Company's proposal to revise its tariffs to afford the subscribers an opportunity to pay service charges on an installment basis should be approved as filed.

IT IS THEREFORE ORDERED, that the proposed Schedule of Rates for intrastate service as set forth in the Company's Notice of March 14, 1980, be and the same are hereby denied.

IT IS FURTHER ORDERED, that effective with the date of this Order, Continental Telephone Company of Kentucky is hereby authorized to place in effect the Schedule of Rates as set out in Appendix "A" attached hereto and made a part hereof.

IT IS FURTHER ORDERED, that within thirty (30) days of the date of this Order, the Company shall file service regulations that afford subscribers the opportunity to pay service charges in installments consistent with the revisions proposed in this case.

IT IS FURTHER ORDERED, that the Company shall advise its subscribers at the time service charges are incurred and again in a consumer information insert in the first bill for service charges that they have the opportunity to pay these charges on an installment basis.

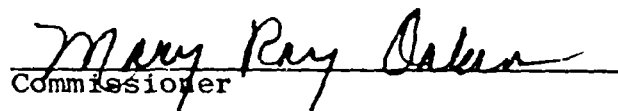
IT IS FURTHER ORDERED, that within twenty (20) days of the date of this Order, the Company shall file its tariffs which reflect the rates set forth in Appendix "A", attached hereto.

Done at Frankfort, Kentucky, this 26th day of September, 1980.
1980.

UTILITY REGULATORY COMMISSION


Chairman

Vice Chairman


Commissioner

ATTEST:

Secretary

APPENDIX "A"

APPENDIX TO AN ORDER OF THE UTILITY REGULATORY COMMISSION IN CASE NO. 7790 DATED

The following rates are prescribed for the customers in the area served by the Continental Telephone Company. All other rates and charges not specifically mentioned herein shall remain the same as those in effect under authority of the Commission prior to the date of this Order.

LOCAL EXCHANGE SERVICE

MONTHLY EXCHANGE RATES

	<u>Business</u>		<u>Residence</u>	
	<u>1 pty.</u>	<u>4 pty.</u>	<u>1 pty.</u>	<u>4 pty.</u>
<u>Group # 1</u> 0-1,500	\$ 20.70	\$ 14.45	\$ 12.45	\$ 9.95
<u>Group # 2</u> 1,501-2,300	21.15	14.75	12.70	10.10
<u>Group # 3</u> 2,301-3,300	21.60	15.05	13.00	10.35
<u>Group # 4</u> 3,301-4,300	22.05	15.30	13.15	10.50
<u>Group # 5</u> 4,301-5,600	22.50	15.55	13.55	10.75
<u>Group # 6</u> 5,601-6,900	22.95	15.85	13.85	10.80
<u>Group # 7</u> 6,901-8,850	23.45	16.10	14.10	11.05
<u>Group # 8</u> 8,851-14,000	23.90	16.40	14.40	11.30
<u>Group # 9</u> 14,001-19,500	24.35	16.60	14.70	11.45
<u>Group # 10</u> 19,501-31,000	24.80	16.90	14.95	11.70
<u>Group # 11</u> 31,001-40,000	25.25	17.20	15.25	11.85

Special Rate Group

	<u>Business</u>			<u>Residence</u>		
	<u>1 pty.</u>	<u>2 pty.</u>	<u>Rural 4 pty.</u>	<u>1 pty.</u>	<u>2 pty.</u>	<u>Rural 4 pty.</u>
Cumberland	\$ 16.50	\$ 14.75	\$ 12.00	\$ 8.35	\$ 7.25	\$ 6.45

Exchange Regrading

<u>Exchange</u>	<u>Business</u>			<u>Residence</u>		
	<u>1 pty.</u>	<u>2 pty.</u>	<u>Rural 4 pty.</u>	<u>1 pty.</u>	<u>2 pty.</u>	<u>Rural 4 pty.</u>
Cumberland	\$ 16.50	\$ 14.75	\$ 12.00	\$ 8.35	\$ 7.25	\$ 6.45

General Rules and Regulations

Special Service and Facilities Customer Billing

An administrative charge, not to exceed \$5.00, will be applied to each insufficient funds check received in payment of a customer's account.

GENERAL EXCHANGE TARIFF

LOCAL EXCHANGE SERVICE

LOCAL DIRECTORY ASSISTANCE SERVICE

The Telephone Company furnishes Local Directory Assistance Service whereby customers may request assistance in determining telephone numbers.

The rates and allowances set forth below apply when customers request Directory Assistance Service in determining or attempting to determine the telephone number of any party located in, or thought to be located in, the local calling area.

A. Charges and Allowances

1. The rates specified in B. following will be applicable to all subscribers, except:
 - a. Public and semipublic coin telephone users;
 - b. Hotel/motel guests and hospital patients;
 - c. Customers who have been certified by a physician or appropriate agency as unable to use a telephone directory because of a visual, physical or reading handicap; and
 - d. Customers served by an out of state Directory Assistance Bureau. This exemption shall terminate for each of these areas as facilities and associated operator assistance become available.
2. Chargeable Calls

For charging purposes, a call to Local Directory Assistance is defined as a call:

 - a. Resulting in obtaining a maximum of two telephone numbers; or
 - b. Resulting in obtaining no telephone number because there was no such listing or there was a private listing.
3. There will be an allowance of 5 calls per month at no charge for each basic local exchange main telephone, PBX trunk and main mobile telephones. Call allowances are not transferable between separate accounts, even for the same customer.
4. Any unused portion of the monthly allowance described in 3. above will not be credited to the customer's account in any other month service is rendered.
5. There will be a charge for all customer calls to Local Directory Assistance, except as specified in 1. and 3. proceeding.

B. Rates

1. A charge of \$.20 will apply for each Local Directory Assistance call in excess of the allowance.
2. A surcharge of \$.20 will be applicable to all calls connected to Local Directory Assistance by the "0" operator provided that the "0" operator is not the only source for Local Directory Assistance.

SERVICE CHARGES

SCHEDULE OF CHARGES

	<u>Business</u>	<u>Residence</u>
Service Order		
Primary, each	\$ 12.00	\$ 8.00
Secondary, each	6.00	4.00
Premise Visit, each	10.00	10.00
Central Office Work, each	15.00	15.00
Inside Wiring, each	15.00	10.00
Jack		
Standard, each	2.00	2.00
Equipment Work, each	8.00	4.00

CHARGES APPLICABLE UNDER SPECIAL CONDITIONS

CONSTRUCTION CHARGES

Regulations

Construction for Permanent Service

On Public Highway or on Private Property to Serve Customers in General

Construction charges apply only when the revenue to be received by the Telephone Company or the immediate prospect of securing sufficient additional revenue, or both, do not justify the necessary investment.

Where the Telephone Company constructs the plant, the construction charge is applied as follows:

- a. On public highways no charge is made for the first 1/2 mile route measurement of usual construction per customer. For the route distance in excess of 1/2 mile on public highways the customer is charged \$71.00 per 100 feet or fraction thereof for pole line construction and \$70.00 per 100 feet or fraction thereof for buried construction.
- b. On private property no charge is made for the first 1,000 feet route measurement of usual construction per customer. For the route distance in excess of 1,000 the customer is charged \$71.00 per 100 feet or fraction thereof for pole line construction and \$70.00 per 100 feet or fraction thereof for buried construction. This charge contemplates single line construction per customer. Multiline construction charges are based on cost or as otherwise provided elsewhere in this tariff.

DIRECTORY LISTINGS

DIRECTORY LISTING CHARGES:

Regular Extra Directory Listings are as follows:

Regular extra listings are furnished at \$1.15 per month each for business listings and \$.85 per month each for residence listings except when the Local Exchange Section provides a different charge for extra listings at the particular exchange.

Alternate Call Number Listings are as Follows:

The monthly rate for each alternate call number listing is \$1.15 per month each for business listings and \$.85 per month each for residence listings, except when the Local Exchange Section provides a different charge for extra listings at that particular exchange.

SPECIAL TYPES OF EXTRA LISTINGS:

Nonpublished Numbers

A nonpublished telephone number is one for which no listing appears in the alphabetical section of the directory or in the Information records. Calls are completed to such stations only when the number is given by the calling party. A charge of \$1.50 per month is made for each nonpublished line.

Unlisted Numbers

An unlisted telephone number is one for which no listing appears in the alphabetical section of the directory. The number is listed in the Information records and is given out upon request. A charge of \$1.00 per month is made for each unlisted line.

PUBLIC AND SEMIPUBLIC TELEPHONE SERVICE

Calls Originating At Public Pay Stations

For each call originating at a public pay station destined for termination within the exchange service area in which it originates, for each six (6) minute period or fraction thereof \$.25.

MILEAGE

MILEAGE CHARGES

General

1. The following mileage charges apply in connection with main stations or private branch exchange systems which are located outside the base rate area but within the exchange area and are in addition to the base rate quoted for the class of service furnished.
 - a. Individual line or private branch exchange trunk line per one-fourth mile or fraction thereof, per month \$.80
 - b. Two-party line, per one-fourth mile or fraction thereof, per month, each main station \$.55
2. The following mileage charges apply on tie-lines and off-premises extensions between subscriber locations within the same exchange.

Continuous Property - applies to all classes of telephone service except paystations.
Per one-tenth mile or fraction thereof, per month \$1.00

Non-continuous Property - applies only to individual lines or trunks. Distance is measured by cable route between stations.
Per one-tenth mile or fraction thereof, per month \$1.00

KEY TELEPHONE SYSTEMS

RATES

Key telephone system and multi-button telephone service rates include 1) Key telephone line rate, 2) Extension rate (if applicable), 3) Common equipment (type C systems only, 4) Station equipment rate, and 5) Supplemental equipment rate (if applicable).

Key Telephone Lines	Monthly Rate	Equipment Work Charge
Type C System lines, each	*	Basic

* 2.00 times applicable line rate (to nearest \$.05)

I. RATES (Cont'd)

Type C Systems		Monthly Rate	Equipment Work Charge
System 11A (capacity 6 lines, 12 stations, no intercom)			
Common equipment		\$ 8.45	\$ 21.50
Line equipment (one per line req'd)		3.20	None
System 11B (11 line capacity, 36 station maximum, no intercom)			
Common equipment		13.00	21.50
Line equipment (one per line req'd)		3.20	None
System 22A (6 line capacity, 12 stations, equipped for standard 9 code intercom, optional code intercom expander)			
Common equipment		10.40	21.50
Line equip. (one per line req'd)		3.20	None
System 22B (13 line capacity, 36 station maximum; equipped for standard 18 code intercom and optional intercom code expanders)			
Common equipment		15.60	21.50
Line equip. (one per line req'd)		3.20	None
System 22A and 22B Intercoms			
9 Code Unit			
Rotary Dial		5.15	Basic
Touch-Calling		9.75	Basic
9 Code Intercom Expander (Rotary or Touch-Calling)		4.55	Basic
System K36 (12 line capacity, 36 stations) common equipment including:			
18 station - two path rotary dial		99.45	54.00
18 station - two path touch-calling		111.15	54.00
18 station - four path rotary dial		102.70	54.00
Line equip. (one per line req'd)		3.20	None
Additional 3 code capacity			
two path rotary dial		6.50	13.00
two path touch-calling		6.50	13.00
Type E Systems			
TIE 308 Key System (Capacity 3 lines, 8 stations, equipped with 2 lines, 4 stations)			
		Monthly Rate	Equipment Work Charge
Common Equipment		\$ 21.95	\$ 37.50
Additional Line Card (3rd C.O. line)		1.10	8.90
Station Interface			
Additional 4 stations		9.40	8.90

<u>Type E Systems (cont'd)</u>	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Additional 2 stations, 2 inter- coms (reduces station capacity by 2)	\$ 8.10	\$ 8.90
4 Intercom Box/Door Answer Back (reduces station capacity by 4)	6.65	8.90
Supplemental Equipment		
Flashing/Grounding Card (for use behind PABX system)	1.25	8.90
Multi-line Conference Card (one per system)	1.35	8.90
Station Equipment		
Tone Dial Telephone Set (EK 308-TDK)	5.80	31.75
Outpulse Dial Telephone (EK 308-ODK)	7.55	31.75
Memory Tone Dial Telephone (EK 308-450-M-TDK)	11.05	31.75
Memory Outpulse Dial Telephone (EK 308-450-M-ODK)	9.75	31.75
Toll Restrictor Tone Dial Telephone Phone Set (EK 308-550-REST-TDK)	8.15	31.75
S-400 Speakerphone used with Electronic Key Telephone Set (S-400)	8.40	12.15
Auxiliary Power Supply for up to 3 memory dials or speakerphone (21024)	1.90	14.30
Door Answer Box	1.80	51.70
Intercom Box only	2.70	28.25
Equity 1800 Key System		
Common equipment for capacity of 6 C.O. lines, 20 stations	15.40	126.00
<u>Options</u>		
Rotary C.O. Line Card, per 2 circuits	6.95	8.90
Tone C.O. Line Card, per 2 circuits	6.50	8.90
Music-on-Hold with Chime Box	2.15	8.90
Music-on-Hold for CPE Source	.95	8.90
Internal/External Page Adaptor	7.25	35.50
Station Busy Lamp Field	8.95	83.50
Speakerphone	9.15	8.90
Auxiliary Power Source (Intercom only)	5.50	79.15
<u>Stations</u>		
12 C.O. Line Key Telephone	12.90	91.50
Key Telephone with Handsfree Answer Back & Executive Ring Control	11.95	91.50
12 C.O. Line Key Telephone with Handsfree Answer Back	10.60	91.50
Intercom Only Station	8.20	91.50
Intercom Only Station with Handsfree Talk Back	9.55	91.50

<u>Station Options</u>	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Privacy Module	\$.25	\$ 17.50
Wall Mount Kit with Storage for Key Telephone plus Busy Lamp Field	.75	51.20
Wall Mount Kit without Storage for Key Telephone	.25	15.40
Wall Mount Kit with Storage for Key Telephone	.60	42.50
Type A, turn key each	3.50	16.00
Touch-calling	4.00	16.00
Type B, 3 line - 3 hold, each	4.25	16.00
Type C		
6 button (rotary dial)	5.50	16.00
6 button (touch-calling)	6.50	16.00
10 button (rotary dial)	6.50	21.50
10 button (touch-calling)	7.50	21.50
10 button (rotary dial w/busy field)	9.50	21.50
10 button (rotary dial) with built-in speakerphone	7.50	21.50
10 button (touch-calling with busy field)	10.50	21.50
10 button (touch-calling with built- in speakerphone)	8.50	21.50
12 button (rotary dial)	9.50	21.50
12 button (touch-calling)	10.50	21.50
18 button (rotary dial)	11.50	27.00
20 button (rotary dial) with built- in speakerphone	14.50	27.00
20 button (touch-calling) with built-in speakerphone	15.50	27.00
30 button (touch-calling)	18.50	27.00

Supplemental Equipment

Manual intercom common equipment	1.30	Basic
Power supply for lights only (Type B Systems)	3.90	5.50
Buttons, each	.30	Basic
Buzzers, each	.30	Basic
Manual exclusion, per set	1.35	Basic
Automatic or ringdown signaling unit	5.20	10.75
321A Basic Intercom Link expander for first 9 stations	7.60	62.00
18 Station Busy Lamp Field	7.00	151.00
Intercom only station (single line set)	2.60	10.75
Music on hold, per 5 lines	3.25	Basic
6034 Toll restrictor card, each (used with System 22A)	3.40	10.75

Cabling

1. Cabling in excess of 100 feet per station on the premises of a subscriber.
 - a. Additional cable for each station may be billed on a one time basis to the customer based on current cost.
2. Abnormal cabling conditions (solid abutments, special insulation, etc.) or conditions as a result of customers specified request may be charged on a cost basis.

PRIVATE BRANCH EXCHANGE SERVICE

Tie Lines	Monthly Rate	Equipment Work Charge
Trunks		
Local Central Office, each	2.5 times individual line rate (rounded to nearest \$.05) + applicable mileage charges	Basic

Switching Equipment

Private Automatic Branch Exchange (PABX)

Siemens SD-192/232

The Siemens SD-192/232 is an electronic switching system with common equipment to provide varying capacities. Initial capacity provides up to 48 dial station lines, 12 trunks, 24 junctors and 2 attendant consoles. Overall capacity consists of 216 dial station lines and 35 trunks or 239 dial station lines and 16 trunks. The system is equipped with 0 lines, 0 trunks, 0 junctors, 0 consoles, AC power and standard features.

Common Equipment:

	Monthly Rate	Equipment Work Charge
SD - 192/232 System I System ID Capacity: 48 lines, 12 trunks 24 junctors & 2 attendant consoles. Equipped with: 0 lines: 0 trunks, 0 junctors, 0 consoles, AC power and standard features	\$ 238.50	\$ 911.50
SD - 192/232 System II Capacity: 48 lines, 12 trunks 24 junctors & 2 attendant consoles. Equipped With: 0 lines: 0 trunks, 0 junctors, 0 consoles, DC power and standard features	284.30	911.50

Equipment to Increase Business System Capacity:

First Addition: 48 lines and 16 trunks (to capacity of 96 lines and 28 trunks)	68.40	281.00
Second Addition: 48 lines and 16 trunks (to capacity of 144 lines and 44 trunks)	76.70	281.00
Third Addition: 48 lines and 15 trunks (to capacity of 192 lines and 59 trunks)	68.70	281.00
First Addition: 56 lines and 8 trunks or 64 lines and 0 trunks (to capacity of 104 lines and 20 trunks or 112 lines and 12 trunks)	52.20	281.00
Second Addition: 56 lines and 8 trunks or 64 lines and 0 trunks (to capacity of 160 lines and 28 trunks or 176 lines and 12 trunks)	60.55	281.00
Third Addition: 56 lines and 7 trunks or 63 lines and 0 trunks (to capacity of 216 lines and 35 trunks or 239 lines and 12 trunks)	52.50	281.00

(When junctor requirement exceeds 24 per system)	Monthly Rate	Equipment Work Charge
Basic Line Shelf 0 - Each 2 Networks	\$ 37.20	\$ 35.50
Expansion Line Shelf - Each 2 Networks	37.20	35.50
<u>Attendant Equipment:</u>		
Business Attendant Console	28.65	125.25
Business Att. Busy Lamp Field (maximum 1 per console)	15.15	35.50
Hotel/Motel Attendant Console	28.65	125.25
<u>Auxiliary Common Equipment - All Systems:</u>		
Station Line Terminal, each 8	16.60	17.75
Trunk Terminal		
Each 4, 2 way	17.95	17.75
Each 2, 2 way	11.15	17.75
Each 4, 1-way out only	14.60	17.75
Each 4, with message register	21.35	17.75
Each 2, with message register	12.85	17.75
Each 4, 2 with message register and 2 without	19.65	17.75
Direct Inward Dial or Tie Line (Loop)		
Each 4	25.10	17.75
Each 2	14.10	17.75
Tie Line Terminal (Receive & Transmit)		
Each 4	26.25	17.75
Each 2	14.60	17.75
Junctors		
Each 8	9.05	17.75
Each 4	6.00	17.75
<u>Optional Equipment/Features - Business:</u>		
Conference Unit (max. 1 attendant conference and 1 meet-me, or 2 meet-me units per system)	15.55	35.50
Music-on-Hold without source - system must be equipped with tone buffer option	-	-
Dictation Adaptor - requires tone buffer, model 840 power supply, model 4080 time-out flasher and mounting assembly		
Rotary or Touchtone Dial (DTMF) combined	25.35	53.25
Touchtone Dial (DTMF) only	25.60	53.25
Code Call Adaptor - requires tone buffer, model 840 power supply, model 4080 time-out flasher and mounting assembly		
Rotary Dial, only	38.30	71.00
Touchtone Dial (DTMF), only	48.50	71.00
Line Ringing Lamp Display (for Dial Call Pick-up)		
12 Lines	3.30	92.50
24 Lines	3.95	92.50

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
<u>Station Detail Message Recording (SDMR):</u>		
Printer Application (requires Data Input - Output option and Printer)		
Digital Cartridge Recorder - re- quires Data Input - Output option)	\$ 191.95	\$ 110.50
<u>Station Detail Message Accounting (SDMA) - Business Only:</u>		
Single Disk Drive - 10,000 call record	302.10	124.50
SDMA Stand	6.85	17.75
SDMA Remote Alarm Unit	9.70	26.75
Additional SDMA Diskettes	.60	81.50
<u>Optional Equipment/Features - Hotel/Motel:</u>		
Message Waiting Service - requires Peripheral Interface Driver and Data Input - Output	-	-
Do Not Distrub Service - requires Peripheral Interface and Data Input-Output	-	-
Electronic Message Register Con- sole (requires Auxiliary Back- plane Interface Kit, Peripheral Interface Driver and Data Input- Output. Provides Vacant Room Re- striction and Room Empty Readout	21.75	100.25
Calling Number Display - re- quires Auxiliary Backplane Interface Kit and Peripheral Interface Driver	6.25	91.25
Automatic Wake-up Service		
Touchtone only - requires Data Input - Output	-	-
Message Only - requires Tone Buffer, Data Input - Output, Peripheral Interface Driver and CPE Recorder	-	-
Tone & Printer - requires Data In- put - Output, Auxiliary Back- plane Interface and Printer	-	-
Message and Printer - requires Tone Buffer, Data Input-Out- put, Auxiliary Backplane In- terface, Peripheral Interface Driver, Printer and CPE Record- er	-	-
Peripheral Interface Driver Kit - required for Call Number Dis- play, Electronic Message Regis- ter, Automatic Wake-up printer, message and message waiting	12.40	17.75
<u>Optional Equipment/Features - All Systems</u>		
Power Failure Transfer, each 4 trunks	4.55	54.00
Paging Interface, per zone		
Trunk Access - when switching or muting is not required	-	-
Station Access - when discon- nect supervision, muting or switching is required. Re- quires 840 power supply and mounting assembly	5.05	53.25

	Monthly Rate	Equipment Work Charge
Touchtone Dial (DTMF) Receivers		
Each 2	\$ 29.25	\$ 17.75
Each 1	15.30	17.75
Data Input-Output Peripheral Control Board - Required for Automatic Wake-up, Electronic Message Register, Message Waiting, Do Not Disturb, SDMR & SDMA options	26.35	17.75
Tone Buffer Peripheral Interface Board - Required for Code Call, Dial Dictation, Music-on Hold-business, Automatic Wake-up Music or Recorded Announcement - H/M	5.25	17.75
Auxiliary Backplane Interface Kit - required for Call Number Display, Electronic Message Register, Automatic Wake-up and SDMR printer	6.35	54.00
Printer - 40 column - required for SDMR or Automatic Wake-up	36.95	110.50
Modem Kit - for remote administration or updating of system	16.45	17.75
Lightning Protection - required on all exposed C.O. lines to guarantee system warranty		
12 Pair	8.00	44.50
25 Pair	12.90	44.50
Surge Arrestor - not required if lightning protection is provided. Required to guarantee system warranty if lightning protection is not provided		
12 Pair	6.00	44.50
25 Pair	7.90	44.50
Standby Power - System II		
1 Hour capacity	74.35	213.25
5 Hour capacity	80.50	248.75
8 Hour capacity	86.65	284.25
Power Supply - 48 volt, 1 amp - required for Dictation Adaptor, Code Call and Paging options	4.35	82.50
Time-out Flasher - required for Dictation Adaptor and Code Call	3.30	26.75
<u>Station Apparatus</u>		
Feature Phone Kit - replaces 12 button with 16 button pad for manual control of call forward options	.55	72.00

MISCELLANEOUS SERVICE ARRANGEMENTS AND
AUXILIARY EQUIPMENT

AUTOMATIC ANSWERING AND RECORDING SERVICE

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Automatic Answering Equipment		
Automatic Answering and Recording Equipment - Code-A-Phones		
Model 222	\$ 9.75	Basic
Model 333	15.95	Basic
Model 555	21.45	Basic
Model 700	19.50	Basic
Additional Equipment for Above Models		
Multi-line adapter (three line capacity), each	7.70	\$10.00
Tone Oscillator for Model 555	1.95	Basic
Earphone (X100-121), for Model 700	.90	45.00
Footswitch (X00-099), for Model 700	1.05	45.00

AUTOMATIC DIALER EQUIPMENT

Automatic Dialer with 400 line capacity tape	9.75	Basic
Additional tape cartridges		
400 line capacity	-	Basic
1000 line capacity	-	Basic
Teletronics AD9 8 digit single address dialer	4.90	Basic
Teledialer 32	10.80	Basic

AUTOMATIC TIME AND TEMPERATURE ANNOUNCEMENT SERVICE

Automatic Time and Temperature Announcement Service is furnished in addition to the filed monthly recurring rate for each Business One Party Line associated with the equipment.

Automatic Time and Temperature Announcement Equipment	245.00	None
Announcement Line Connectors, each	3.00	None
First recording of advertiser's message, other than for maintenance purposes	-	80.00
Announcement Lines, each	Individual Business Line Rate	Basic

AIR TRAFFIC CONTROL COMMUNICATION SYSTEM

Common Equipment consists of (1) 405 and (1) 403 module (requires one of each to access special service circuit)	11.75	277.00
Shelf (40011), capacity for 11, 405 modules	9.80	354.00
Apparatus Case (15A), capacity for 2, 403 modules	4.80	184.00
Call Counter Applique (for counting calls to air control tower)	10.35	271.00

BUZZER CIRCUITS AND PUSH BUTTON PADS

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Each button or associated buzzer	\$.65	Basic
Battery supply for buttons and buzzers (and other uses)	2.60	Basic
ELECTRONIC SENTRY SYSTEM		
Yale Telemergency Alarm Dialer DC 8C, single channel	13.00	Basic
Yale Telemergency Alarm Dialer DC 8D, dual channel	16.25	Basic
EMERGENCY CALL SYSTEM/FIRE REPORTING SYSTEM		
ITT Emergency Call System Equipment		
10 line capacity	13.60	Basic
20 line capacity	22.75	\$16.00
40 line capacity	59.80	32.00
Tellab's 291 Conference Alerting System		
Common Equipment:		
System I - capacity 10 lines	75.00	370.00
System II - capacity 20 lines	92.00	462.00
System III - capacity 30 lines	110.00	555.00
Expansion Shelf to expand either System I or System II	16.75	101.00
Auxiliary Common Equipment:		
Bay Adaptor - 23 inch (allows systems to be mounted in a 23 inch bay, one per shelf)	-	16.00
Manual Access (key or station)	6.75	22.00
Automatic Access (central office line)	7.00	22.00
Maximum 2 accesses per system		
Minimum 1 access per system		
Station Line Circuit - one per answer number equipped	6.50	22.00
Maximum 10 station line cards/shelf		
Minimum 2 station line cards/shelf		
Optional Equipment:		
Remote Answer Trunk		
Maximum 3 per system, mounts in common control shelf	5.25	22.00
Siren Control Timer Module Field strappable variable timeout, maximum 1 per system, mounts in common control shelf	6.25	22.00
Telepath 723 C-34 Code Call	59.10	675.00
Control Station - Local private line and station charges	-	Basic
Controlled Stations - Station line connections or changes subsequent to initial installation, each	-	Basic
Annunciator Cabinet		
11 lamp cabinet, each	4.55	Basic
Connecting line circuits - local private line channel charges	-	Basic

EXTENSION BELLS, GONGS, HORNS AND CHIMES

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Signal control equipment for one or more signals on the same circuit, for indoor mounting.		
Continuous	\$ 1.50	Basic
Noncontinuous	1.50	Basic
Explosive atmosphere, noncontinuous	3.60	Basic
Bells (Gongs)		
Operated by power from central office		
Inside mounting		
Telephone bell in box as extension	.65	Basic
2"	.50	Basic
4"	.65	Basic
6"	1.00	Basic
Outside mounting		
2"	1.30	Basic
4"	3.90	Basic
6"	4.90	Basic
Operated by commercial power		
Inside mounting		
6"	1.30	Basic
8"	1.55	Basic
10"	1.70	Basic
Outside mounting		
6"	1.95	Basic
8"	2.40	Basic
10"	2.75	Basic
12"	3.20	Basic
Explosive Atmosphere		
6"	3.25	Basic
8"	3.60	Basic
10"	3.90	Basic
12"	4.35	Basic
Horns		
Operated by commercial power only		
Inside mounting		
Small	1.25	Basic
Medium	1.50	Basic
Extra Loud	3.00	Basic
Outside mounting		
Small	1.70	Basic
Medium	2.40	Basic
Extra Loud	4.80	Basic
Large	2.60	Basic
Chimes		
Inside mounting only	2.60	Basic
Toggle Switches (Cam Type)		
1 key	.65	Basic
2 key	1.30	Basic

EXTENSION STATION SERVICE

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Business extension station service, each	\$ 2.00	Basic
Residence extension station service, each	1.50	Basic
HEADSETS		
Headset applique unit for key set (plug)	1.00	Basic
Plantronics Headset (star set), model H5-0110-1A equipped with lock and push to talk switches, four wire, and ten foot cord	3.25	Basic
JACK EQUIPMENT		
Data Equipment Universal - miniature, eight-position jack used for either fixed-loss loop or programmed types of data equipment, per jack		\$37.40
Programmable - miniature, eight-position jack used only with programmed types of data equip- ment, per jack		37.40
Key and PBX System 50-Pin Miniature Ribbon Connector used to connect Key and PBX systems to the telephone network, multiple ancillary devices connected to the network, recording equipment, multiple installations of either fixed-loss loop or programmed types of data equipment, and to connect various other equipment arrangements per jack		41.20
OUTDOOR TELEPHONE SETS		
Metal enclosed set	2.60	
SECRETARIAL ANSWERING CABINET		
6 line capacity	11.70	Basic
10 line capacity	19.50	Basic
20 line capacity	39.00	Basic
Line termination	-	Basic
SOUND SYSTEMS AND VOICE INTERCOMMUNICATING EQUIPMENT		
Power Amplifiers		
25 watt	6.20	Basic
40 watt	10.10	Basic
75 watt	11.70	Basic
150 watt	18.85	Basic
Two way amplifier for intercommunication	4.15	Basic
Coin Type Sound Reproducers		
6 inch, surface wall	1.30	Basic
6 inch, flush wall	1.30	Basic
8 inch, surface, sloping front	1.65	Basic
8 inch, bi-directional	1.65	Basic
8 inch, surface ceiling	1.30	Basic
8 inch, flush ceiling, round grill	1.30	Basic
8 inch, flush ceiling, square grill	1.30	Basic

SOUND SYSTEMS AND VOICE INTERCOMMUNICATING EQUIPMENT (Cont'd)

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Trumpet Type Sound Reproducurs		
15 watt, explosion proof including relay	\$ 6.20	Basic
25 watt, with transformer, weatherproof	2.60	Basic
40 watt, with transformer, weatherproof	3.25	Basic
25 watt, bi-directional, with transformer, weatherproof	2.95	Basic
Telephone System Input Coupling Units		
ETA107 Key System Page Access	1.95	Basic
ETA103 PABX Coupling Box	1.65	Basic
Microphones		
Paging Microphone dynamic with preamp	3.90	Basic
Paging Microphone cardioid type	4.55	Basic
Music Inputs		
FM-AM Tuner (includes antenna)	12.00	Basic
Signaling Input Devices		
M400S1 Tone Generator	3.45	Basic
System 1 - Multi Conversation System - Intercommunicating Equipment		
Control Stations		
(1) Selective call-up to 11 stations (111D)	7.15	Basic
(2) Selective call-up to 11 stations (111AD)	8.45	Basic
Staff Stations		
(1) Call origination to (1) control station (11AL)	2.30	Basic
System 6 - Single Conversation System- Intercommunicating Equipment		
Amplifier and (1) Junction Box (6000K/J52)	7.50	\$13.50
Control Stations		
(1) Selective call-up to 6 stations (606D)	2.60	Basic
Staff Stations		
(1) Indoor Use		
(a) Flush or surface mount with busy light indicator (61L)	1.30	Basic
(2) Outdoor Use (See Common Equipment)		

SOUND SYSTEMS AND VOICE INTERCOMMUNICATING EQUIPMENT (Cont'd)

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
System 7 - Single Conversation System- Intercommunicating Equipment		
Control Stations: (Amplification included)		
(1) Connected to (1) staff or a group in parallel (701RKK)	\$ 2.60	Basic
(2) Selective call-up to 6 stations (706DKK)	3.90	Basic
(3) Selective call-up to 10 stations (710DKK)	5.20	Basic
Staff Stations		
(1) Indoor Use		
(a) Flush surface mount (81)	1.40	Basic
(2) Outdoor Use (See Common Equipment		
Special Equipment - Voice Intercommu- nicating Equipment		
Staff Stations for Outdoor, Use, ea.		
(1) 10" Trumpet (C-23)	1.95	Basic
b. Junction Box (734) each	1.00	Basic
c. Junction Box (J52) each	1.00	Basic
d. Junction Control (J804) each	2.30	Basic
e. Power Supply (M217) each	2.60	Basic
f. Power Booster (P-29) each	2.60	Basic
g. Transformer (J629S42) each	.65	Basic
h. Call Control (J635LS1) each	1.30	Basic
i. Call Switch (JRS41) each	.65	Basic
m. Handset for use with Intercom Systems		
(1) Desk Type (1PTH 158L)	5.20	Basic
(2) Wall Type (Surface or Flush Mount) 1PTH 158LS/w2)	5.20	Basic
n. J-689 S42 Paging Relay	2.60	Basic
SPECIAL TYPE TELEPHONES		
Amplifying Equipment		
Amplifying Equipment	1.65	Basic
Push to Talk Handset	1.30	Basic
Confidencer (noice cancelling transmitter)	1.95	Basic
Telephone Pads		
12 Button Touch Tone Pad	3.25	Basic
Explosive Atmosphere Telephone Equipment		
Wall type or pedestal set, each	6.50	Basic
Hand set, each	10.40	Basic
Hands Free Telephone Set (Speakerphone)		
Speakerphone set	9.75	Basic
Companion II Speakerphone	6.95	\$27.00

SPECIAL TYPE TELEPHONES (Cont'd)

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Princess Telephone		
Princess Telephone	\$ 1.00	Basic
Trim-Line Telephone		
Trim-Line Telephone	1.65	Basic
Externally Mounted Telephone Loudspeaker (Orator Type)	1.95	Basic
TOUCH CALLING SERVICE		
Business, per line	2.00	Basic
Residence, per line	1.50	Basic
Company-provided Touch Calling set, each	.35	Basic
CALL DIVERTERS		
Dacon MK-10-E (11 digit)	16.90	\$27.00
Dacon MK-10-14-E (14 digit)	18.55	27.00
Optional Equipment:		
Audible tone to called party (BOC)	2.30	Basic
Remote on/off	2.30	Basic
Call announcement (MKSE)	6.20	Basic
Two number calling	5.55	\$16.00
Tone commander (oscillator)	1.65	None

CUSTOMER PICK-UP AND RETURN SERVICE

Rates

1. The standard service charges described elsewhere in this tariff will apply for all services furnished by the Company. If the customer elects to pick up, exchange or return the instruments associated with his service, the service charges will be applied as specified below. This tariff does not alter existing monthly rates in any way.
 - a. If the customer elects to establish or transfer service within the designated exchange and in a premise with modular receptacles, by picking up, and where applicable, connecting the Company telephone (s), the basic equipment work and premises visit will not apply.
 - b. Additionally, customers who wish to add or to change existing instruments may pick up or exchange them at a designated location, thereby avoiding the above mentioned service charges as applicable where the premises has installed modular receptacles.
 - c. All customers who wish to disconnect their service may obtain credits against their account as shown below where the premise has modular receptacles by disconnecting and returning the Company's instrument sets to a designated location.
 - (1) Disconnection of service \$5.00 minimum for one instrument with a maximum credit of \$10.00 for all instruments.
 - (2) Return credits. Do not apply to multi-button instruments, non-modular wall instruments or certain other types of instruments to be specified by the Company.
 - (3) With total disconnection of service, all telephones in the designated premises, with the exception of those described in above, must be returned for the credits to apply.

INTERCONNECTIONS WITH COMMUNICATIONS EQUIPMENT
PROVIDED BY THE CUSTOMER

CUSTOMER-PROVIDED COMMUNICATIONS EQUIPMENT

Maintenance of Service Due to the Connection of Customer-Provided Equipment or Other Facilities

Per maintenance service call - \$27.50 first hour or fraction thereof
\$13.75 each additional 1/2 hour there-
after or major part thereon,
continues with first hour

CREDITS FOR CUSTOMER-PROVIDED TELEPHONE APPARATUS

When a customer elects to provide his own telephone set(s), as are normally provided by the Company and as provided for in the Company's filed Tariffs, a credit of \$2.00 for business and \$1.50 for residence will be allowed on the customer's bill for each such station provided by the customer. Credits will not be given for any other customer provided equipment unless otherwise specified in this tariff. Credit is applicable only to subscribers with individual line service.

SALE OF KEY AND PABX TELEPHONE SYSTEMS AND STATION WIRE BY THE TELEPHONE COMPANY

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Paging Coupler (PCJ53050F, L1)	\$ 13.55	\$121.00
1001B Data Coupler	5.25	Basic
20721-L1 Voice Coupler, per line equipped	8.90	Basic
20721-L2 Voice Coupler, per line equipped	12.60	Basic
Jack for portable recorder connector equipment	.55	Basic
CAC K-1-2 (RR) Coupler	6.80	Basic

DATA SERVICE

DATA TRANSMITTING AND RECEIVING EQUIPMENT AND TELETYPEWRITER EQUIPMENT

Data Sets

200 Series

Suitable for conditioning sig-
nals at rates up to 1800 bits per
second in sequence

- Combined sending and receiving
arranged for manual operation
without simultaneous reverse
signalling

Single installation data set, each (202C)	72.00	32.00
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Suitable for conditioning signals
at rates of 2000 or 2400 bits per
second in sequence

- | | | |
|--|-------|-------|
| - 201C Data Set equipped with
565 Sub Set | 84.00 | 59.00 |
|--|-------|-------|

DATA SERVICE (Con't)

DATA TRANSMITTING AND RECEIVING EQUIPMENT AND TELETYPEWRITER EQUIPMENT (Con't)

Suitable for conditioning signals
at rates up to 4800 bits per second
in sequence

	Monthly Rate	Equipment Work Charge
T208A	\$206.40	\$182.00
202E7	26.10	54.00
202S LIA/2 with telephone	46.80	54.00
209A	277.20	54.00
208B with 565 auxiliary set	152.40	54.00

400 Series

Suitable for simultaneously
conditioning up to eight
signals at rates up to 75
combinations per second

- sending	56.40	64.00
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High Speed Teletypewriter Equipment

Magnetic Tape Terminal, 8-level
tape equipment suitable for send
or receive operations at transmis-
sion speeds up to 1200 words per
minute

162.00	118.00
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The following options may be in-
stalled:

- Control Codes expander package; (modification kit)	1.60	None
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Four-row Teletypewriter Station Equipment

33 Type - Page Teletypewriter
with Type Wheel

Automatic Sending Receiving	72.00	48.00
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Miscellaneous Equipment

Control Equipment Arrangements

- Key Control		
- to deactivate the typing unit of a 33 type page automatic teletypewriter during tape transmission	1.60	10.75

Foot Control Switch		
- To activate transmitter	1.60	Basic

Paper box for superfold paper and form accumulating shelf		
Sprocket feed, including form feedout	3.25	Basic
Reader Control	3.25	None

Transmitter-Distributor call-in single character, requires reader control	.40	None
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Tape Magazine	1.60	Basic
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Splitting Control Key

- To control a 33 type ASR TTY so that transmission may be alternately "half duplex" or "full duplex" when in the "line" mode.	1.60	10.75
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OBSOLETE SERVICE OFFERINGS

KEY TELEPHONE SYSTEMS

Key Strips

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
6 Button	\$ 5.85	\$16.00
12 Button	11.05	21.50

Two Talk Path Systems - Intercoms

18 Code Unit		
Rotary Dial	19.50	21.50
Touch Calling	26.00	21.50
Additional 3 code capacity (rotary or touch calling)	3.25	10.75

Tie Key System 100

Common Equipment	23.40	54.00
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Additional Common Equipment:

Expansionback board (addition of 9 station capacity)	5.20	21.50
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Optional Equipment:

Plug-in for all call page card (Internal)	4.25	16.00
Line Card	1.65	0
Call Announcing Card	5.20	16.00
Music on Hold without Source	1.95	16.00
Paging Adaptor for External Paging	1.30	16.00
Manual Intercom	1.30	16.00
Tone Dial, per system	11.05	21.50
Toll Restrictor (per line) requires toll restrictor cabinet	4.55	16.00
Toll Restrictor Cabinet	7.15	21.50
19 Station Intercom	5.20	16.00

Station Set Rates:

10 Button Rotary Dial	6.35	21.50
10 Button Outpulse Dial	9.10	21.50
10 Button Tone Dial	7.15	21.50
10 Button Memory Outpulse Dial	11.55	21.50
10 Button Tone Memory Dial	12.95	21.50

Supplemental Equipment:

Exclusion per station with release	1.00	16.00
Tone Oscillator, per station equipped	.65	16.00

PRIVATE BRANCH EXCHANGE SERVICE

L55 PBX (Manual System)

Capacity 60 lines, 10 trunks and 10 cord circuits	97.50	107.00
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S/C 10 PABX

Common Equipment	91.00	54.00
Additional Trunk Terminal, each	8.15	None
Attendants Console (4 trk, capacity)	22.75	16.00
Message Registers (35 ln. capacity)	16.25	21.50
Toll Restriction, per trunk	3.25	10.75

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

S/C 30 PABX, Series Systems

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
30 6-50-6 System	\$169.00	\$268.00
30 13-50-6 System	208.00	322.00
30 13-100-12 System	260.00	376.00
30 20-100-12 System	325.00	430.00
Toll Restriction, per trunk	3.90	5.40
Line Terminals, each	1.00	None
Trunk Terminals, each	9.10	10.75
Direct Indial Trunk Terminals, each	16.25	21.50
Links, each	7.80	10.75
Conference Service		
1 trunk and 5 stations	13.00	21.50
2 trunks and 5 stations	16.25	21.50
Attendants Console (20 trunks, 100 line capacity)	28.60	54.00
Transfer Control Key for Second Attendant Set	7.80	10.75
Message Waiting, per station equipped	.65	None
Message Register, per 10 line strip	5.85	10.75
Standby Power	58.50	54.00
Paging Adapter	6.50	10.75
Code Call Unit - 36 codes	6.50	10.75
Dictation Adapter	7.80	16.00
Tie Line Terminal	15.60	21.50
Pre-determined Night Answering, per Trunk	3.25	10.75

S/C 40 PABX

Common Equipment	143.00	242.00
Line and Pre-selector Rack, each	16.25	27.00
Selector Rack, each	32.50	27.00
Connector Rack, each	46.80	27.00
Trunk Rack, wired 10 trunk, each	15.60	27.00
Power - 12 Amp Charger and 100 A.H. Batteries	58.50	54.00
Trunk Terminals	10.40	10.75
Line Terminals	1.30	None
Selectors	5.20	None
Selector-Call Transfer	5.20	None
Connectors, each	5.20	None
D.I.D. Trunk Terminals, each	19.50	21.50
Operator Trunk Terminals, call completion, each	6.50	10.75
Attendant's Turret, desk mounted	45.50	75.00
Attendant's Console, floor mounted	84.50	107.00
Conference - 1 trunk and 5 stations	19.50	16.00
Toll Restriction, per trunk	6.50	10.75
Message Waiting, per station	.65	None
Message Register, per 10 line strip	5.85	5.40
Paging Adaptor	6.50	5.40
Tie Line Terminal, each	15.60	10.75

S/C F40 PABX

Common Equipment	45.50	54.00
Attendant Console	19.50	32.00
Line Terminals, each	1.30	None
Trunk Terminals, each	7.80	16.00
Links, each	5.20	10.75

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

S/C F50 PABX

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Common Equipment	\$ 97.50	\$ 54.00
Attendant Console	32.50	32.00
Line Terminals, each	1.30	None
Trunk Terminals, each	7.80	16.00
Links, each	5.20	10.75
Conference	3.25	10.75
Code Call (28 code)	20.80	21.50
Standby Power	45.50	54.00

S/C Type H PABX

Common Equipment for 200 line system	195.00	536.00
Attendant Console (cord type)	97.50	322.00
Line Terminals, each	1.95	None
Trunk Terminal, each	5.20	16.00
Selectors, each	9.10	16.00
Connectors, each	9.10	16.00
Finders, each	9.10	16.00
Universal Toll Restriction	13.00	None
Toll Restriction, per trunk	3.90	None
Conference Circuit (5 capacity)	13.00	16.00
Code Call (28 code)	20.80	27.00
Pre-determined Night Answering, per trunk equipped	3.25	10.75
Standby Power	58.50	107.00

S/C 400 PABX

Basic System 423	429.00	1,610.00
Line Terminals, per 10	9.45	27.00
Junctors (regular), each	5.20	16.00
C.O. Trunk Terminal, with transfer, each	12.35	16.00
C.O. Trunk Terminal, without transfer, each	9.75	21.50
LD Trunk Terminal, each	6.50	21.50
WATS Trunk Terminal, each	9.10	37.50
DID Trunk Terminal, each	16.25	59.00
Tie Line Terminal, each	16.25	37.50
Common Equipment (registered) for IID trunks or tie line terminals, per system	2.60	10.75
Battery Charger & Batteries (8 hour)	100.10	268.00
Paging Adaptor, each	11.70	27.00
Busy Field, each 200 lines	28.60	80.50
Junctors (call back), each	8.75	43.00
Call Back Control and Store, per system	6.50	43.00
Tone Dial Scanner, each	1.00	5.40
Tone Dial Converter, each	6.85	16.00
Tone Dial Coupler, each	2.30	10.75
Outgoing Register Sender		
Trunk positions 1 thru 12, each	23.40	21.50
Trunk positions 13 thru 20, each	7.50	16.00
Trunk positions 21 thru 30, each	13.00	21.50
Toll Restrictions, per system	3.90	16.00
Number Translation, per 100 lines	11.70	37.50
Pre-determined Night Answer, per system	3.90	16.00
Meet-Me-Conference Circuit	9.10	32.00
Intercept Announcer	13.00	32.00
Dial Up Conference	21.00	54.00

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

SG1 Type PABX

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Basic Common Equipment		
40 lines, 15 trunks, rotary dial	\$154.70	\$215.00
80 lines, 15 trunks, rotary dial	175.50	215.00
80 lines, 30 trunks, rotary dial	196.95	215.00
Attendant Console		
with busy lamp field (40 lines)	23.75	21.50
with busy lamp field (80 lines)	30.25	21.50
without busy lamp field (40 or 80 lines)	12.70	21.50
Attendant Option Control	2.60	10.75
Trunk Terminal, each	4.75	10.75
Tie Line Trunk Terminal, each	5.20	10.75
Line Terminal, one required for each two (2) lines	3.25	5.40
Camp-on and Trunk Answer for any station (per system)	3.85	5.40
Attendant Conference	11.00	21.50
Executive Ringback - Override	5.75	10.75
Toll Restriction (2 digit only, per system)	5.20	10.75
Paging Adaptor, each	2.60	10.75
Dial Dictation Trunk, each	2.60	5.40
Trunk Terminal for Music on Hold	6.20	Basic
Touch Calling, per system (40 lines)	24.70	27.00
Touch Calling, per system (80 lines)	33.80	27.00
Touch Calling Receiver	10.15	10.75
Standby Power	127.40	80.50
Enhancement Features		
Call Pickup Directed	5.65	21.50
Call Forwarding	8.20	21.50
Call Pickup Group	11.45	21.50

UH-30 PABX

Common Equipment	130.00	161.00
Station Lines, each 5	5.20	21.50
Intercom Links, each	7.80	16.00
Trunk Terminals, each	15.60	16.00
Attendant's Console, each	26.00	54.00
Automatic Call Transfer (10-1)	16.90	10.75
Busy Lamp Field	6.50	37.50
Code Call (Staff Locating)		
Visual - common	26.00	27.00
Visual - each 10 lamp panels	1.30	None
Audible, each 50 codes or less	26.00	27.00
Conference, "Meet-Me"	13.00	16.00
Dictation Access Line, each	19.50	21.50
Executive Intercom		
10 station availability	45.50	21.50
20 station availability	52.00	27.00
Executive Right-of-Way (internal and call back)		
First Line	19.50	10.75
Each Additional Line	1.30	None
Message Registers		
Common equipment for 50 meters	11.70	32.00
Each unit of 10 or less meters	2.60	None
Message Waiting		
Stations equipped, each	.65	None
Night Answering, common	5.20	None
Paging Adaptor	6.50	16.00
Toll Restriction, per trunk	5.20	10.75
Standby Power	58.50	54.00

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

UH-45 PABX

	Monthly Rate	Equipment Work Charge
Common Equipment	\$130.00	\$215.00
Each Working -		
Station Lines, each 5	5.20	16.00
Intercom Links, each	7.80	10.75
Trunk Terminals, each	15.60	10.75
Tie Line Terminal	15.60	21.50
Automatic Call Transfer (10-1)	16.90	10.75
Busy Lamp Field	13.00	37.50
Code Call (Staff Locating)		
Visual - Common	19.50	21.50
Each Unit of 10 Lamp Panels	1.30	None
Audible - Each Unit of 50 Codes	26.00	21.50
Conference ("Meet-Me")	13.00	16.00
Dictation Access Line, each	19.50	21.50
Executive Intercom		
10 station availability	45.50	21.50
20 station availability	52.00	27.00
Executive Right-of-Way		
First Line	13.00	10.75
Each Additional Line	1.30	None
Message Registers		
Wall Panel of 50	11.70	32.00
10 or Less Meters, each 10	5.20	None
Message Waiting, stations equipped, each	5.20	16.00
Night Answering (common)	5.20	10.75
Paging Adaptor	6.50	16.00
Toll Restriction, per trunk	5.20	10.75
Touch Calling Adaptor	59.80	107.00
Standby Power Supply	58.50	54.00

UH 300 Type PABX

Common Equipment		
50 sta. lines, 6 IC links, 10 trk. terms.	130.00	322.00
100 sta. lines, 12 IC links, 15 trk. terms.	247.00	375.00
150 sta. lines, 18 IC links, 20 trk. terms.	364.00	429.00
Power Supply - Battery Eliminator for -		
50 lines	15.60	21.50
100 lines	31.20	32.00
150 lines	31.20	32.00
Lines, each 10	15.60	37.50
Intercom Links, each 2	13.00	16.00
Trunk Terminals, each	15.60	16.00
Tie Line Terminals, each	15.60	21.50
Standby Power -		
- up to 100 lines	58.50	54.00
- 101-200 lines	84.50	107.00
Automatic Call Transfer (10-1)	16.90	10.75
Busy Lamp Field, each 50 lines equipped	13.00	37.50
Code Call (Staff Locating)		
- Visual or Audible, common	26.00	10.75
- For up to 50 lines	1.30	None
Conferencing		
- "Meet-me" (up to 4 stations)	13.00	16.00
- Turret Type (up to 12 stations) equipped for 6	23.40	21.50
- Each additional 3 stations, up to 12	5.20	10.75
Call Transfer (dial "1"), per trunk	N/C	None
Dictation Link, per line	19.50	21.50
Direct Inward Dialing, per trunk	11.70	10.75

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

UH 300 Type PAEX (Cont'd)

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Executive Intercom -		
- 10 stations	\$ 45.50	\$ 21.50
- 20 stations	52.00	27.00
Executive Right-of-Way -		
- First 50 line group equipped	19.50	10.75
- Each additional 50 line group equipped	3.25	None
Message Registers -		
- Each 10 resetable 3 digit meters	5.85	21.50
Message Waiting, each station equipped	.65	None
Night Answering (Common)	5.20	10.75
Paging Adaptor	6.50	16.00
Toll Diversion, each trunk	7.80	10.75
Console, Attendant's Second Console	39.00	27.00

UH 900 Type PARX

Common Equipment	1,014.00	1,610.00
Power Supply - Battery Eliminator for 400 lines	78.00	21.50
Line Terminals, per 10	15.60	37.50
Intercom Links, each 2	10.40	16.00
Trunk Terminals, each	19.50	16.00
Tie Line Terminals, each	15.60	21.50
Standby Power - 300-400 lines	97.50	107.00
Busy Lamp Field, each 50 lines equipped	19.50	37.50
Code Call (Staff Locating)		
- Visual or Audible, common each 5 lamp panels or buzzers	26.00	10.75
- For up to 50 lines	1.30	None
Conferencing -		
- "Meet-Me" (up to 4 stations)	13.00	16.00
- Turret Type (up to 12 stations) equipped for 6	23.40	21.50
- Each additional 3 stations, up to 12	5.20	10.75
Dictation Link, per line	19.50	21.50
Executive Intercom -		
- 10 stations	45.50	21.50
- 20 stations	52.00	27.00
Executive Right-of-Way		
- First 50 line group equipped	19.50	10.75
- Each additional 50 line group equipped	3.25	None
Message Registers, each 10 resetable 3 digit meters	5.85	21.50
Message Waiting, each station equipped	.65	None
Night Answering (Common)	5.20	10.75
Paging Adaptor	6.50	16.00
Toll Diversion, each trunk	7.80	10.75
Console, Attendant's Second Console	39.00	27.00
Encoder (Motorola 90 Call)	195.00	215.00

ARD 561 PABX

Common Equipment		
Basic System No. I	195.00	429.00
Basic System No. II	650.00	1,073.00
Additional Line Terminals, each 30	58.50	54.00
Additional Links, each	10.40	21.50

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

ARD 561 PABX (Cont'd)

	Monthly Rate	Equipment Work Charge
Trunk Terminals, each	\$ 19.50	\$ 16.00
Tie Line Terminals, each	26.00	21.50
Paging Adaptor	6.50	16.00
Toll Restriction System I	20.80	27.00
Toll Restriction System II	41.60	43.00
Standby Power System I	65.00	80.50
Standby Power System II	97.50	107.00
1203 Digital Switching System		
Common Equipment		
Capacity 120 station lines, 24 trunk	305.50	536.50
Additional Equipment and Service		
Multi Class Line Unit (for 8 lines)	27.30	21.50
Single Class Line Unit (for 8 lines)	23.10	21.50
Key Set Line Unit (for 5 lines)	27.30	27.00
Ground/Loop Trunk Unit (for 8 trunks)	29.50	21.50
Two-Way Tie Line Trunk (for 8 lines)	33.15	27.00
DID Trunk (for 8 trunks)	35.10	21.50
Paging Interface (3 channels) (requires Auxiliary Shelf)	5.70	21.50
Trunk By-Pass (each 4 trunks) (requires Auxiliary Shelf)	3.50	21.50
Auxiliary Shelf (12 card capacity)	3.90	27.00
Tone Decoder - Touch Calling C.O. (per system) (requires Toll Restrictor Unit)	43.55	27.00
Tone Decoder - Mechanical C.O. (per system) (requires Toll Restrictor Unit)	46.15	27.00
Toll Restrictor Unit	15.60	27.00
Standby Power (4 hours)	130.00	107.00
Standby Power (8 hours)	156.00	161.00
1201 Expandable Digital Switching System		
Common Equipment		
Capacity of 63 positions, 504 addresses	468.00	1,610.00
Additional Equipment and Service		
Second Cabinet (increase capa- city to 1,064 addresses)	305.50	1,073.00
Additional Attendant Console	67.60	54.00
Multi Class Line Unit (for 8 lines)	27.30	21.50
Single Class Line Unit (for 8 lines)	23.10	21.50
Key Set Line Unit (for 5 lines)	27.30	27.00
Ground/Loop Trunk Unit (for 8 trunks)	29.60	21.50
Two-Way Tie Line Trunk (for 8 lines)	33.15	27.00
DID Trunk (for 8 trunks)	35.10	21.50
Paging Interface (3 channels) (requires Auxiliary Shelf)	5.70	21.50

PRIVATE BRANCH EXCHANGE SERVICE (Cont'd)

ARD 561 PABX (Cont'd)

1201 Expandable Digital Switching System (Cont'd)

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
Trunk By-Pass (each 4 trunks) (requires Auxiliary Shelf)	\$ 3.60	\$ 21.50
Auxiliary Shelf (12 card capacity)	3.90	27.00
Tone Decoder - Touch Calling C.O. (for 200 Touch Calling Stations) (requires Toll Restrictor Unit)	43.55	27.00
Tone Decoder - Mechanical C.O. (for 200 Touch Calling Stations) (requires Toll Restriction Unit)	46.15	27.00
Toll Restrictor Unit	15.60	27.00
Standby Power (4 hours)	130.00	107.00
Standby Power (8 hours)	156.00	161.00

MISCELLANEOUS SERVICE ARRANGEMENTS AND AUXILIARY EQUIPMENT

Automatic Answering Equipment

Model 200A	11.70	Basic
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Automatic Answering and Recording Service

Code-A-Phone Model 370	7.80	Basic
Code-A-Phone Model 525	16.25	Basic
Code-A-Phone Model 560	20.15	Basic

Automatic Dialer Equipment

Select-A-Call Ten (10 line capacity)	7.50	Basic
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Special Type Telephones

Decorator Telephones

Candlestick Telephone	2.60	Basic
Chest Telephone	3.60	Basic
Cradle Telephone	3.60	Basic

Panel Telephones

Basic panel - for single line installation	1.30	Basic
Basic panel - for single line installation with illuminated dial	1.65	Basic
Two line panel	1.95	Basic

INTERCONNECTIONS WITH COMMUNICATION EQUIPMENT PROVIDED BY THE CUSTOMER

1000A Data Coupler	3.70	Basic
1001A Data Coupler	9.20	Basic
30A Voice Coupler including exclusion type telephone	2.10	Basic

Recorder Connector Equipment

With an automatic recorder tone device (19645-L2)	7.90	Basic
Portable jack box associated with portable recorder connector equipment for use at cord switchboards	1.40	None
Without an automatic recorder tone device (19645-L1)	6.05	Basic

Alarm Detection and Reporting Equipment Provided by the Customer

Alarm Coupler combined with tone signalling unit, 20445-L2	8.90	Basic
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DATA SERVICE

Data Sets

	<u>Monthly Rate</u>	<u>Equipment Work Charge</u>
100 Series		
a. T113A Data Set with 502 Data Auxiliary Set	\$ 22.80	\$ 16.00
200 Series		
a. Combined Sending and Receiving (201A)	186.00	96.50